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**From:** Chris Hofelt [chris.hofelt@basf.com]  
**Sent:** 5/25/2017 11:27:35 AM  
**To:** Keith Edmisten [kledmist@ncsu.edu]; Allen James [eajames@bellsouth.net]  
**CC:** Ali Scott [ali.scott@bayer.com]; Bob Graney [robert.graney@bayer.com]; Charlotte Sanson [charlotte.sanson@bayer.com]; Davis Katie USRE [katie.davis@syngenta.com]; Dean Bushey [dean.bushey@bayer.com]; George J Fountas [george.fountas@basf.com]; Hines, Erin [Hines.Erin@epa.gov]; Dennis Kelly [dennis.kelly@syngenta.com]; Alan Ayers [alan.ayers@bayer.com]; Adrienne Massey [amassey@bio.org]; Clint Nesbitt [cnesbitt@bio.org]; david mason [dvpm@novozymes.com]; David Negrotto [David.negrotto@syngenta.com]; Janis Mcfarland [janis.mcfarland@syngenta.com]; Jason Delborne [jadelbor@ncsu.edu]; jeff stein [JStein@danforthcenter.org]; John Sedivy [jsed@novozymes.com]; Jordan Sottosanto [jordan.sottosanto@basf.com]; Lahoucine Achnine [lahoucine.achnine@basf.com]; Larry Zeph [lawrence.zeph@syngenta.com]; Randy Wegener [randy.wegener@bayer.com]; Rick Carringer [rcarringer@carringers.com]; Rick Lawless [rick\_lawless@ncsu.edu]; Rick Lawless [rjlawles@ncsu.edu]; Scott Kohne [scott.kohne@bayer.com]; Scott Shore [scott@shorebiotech.com]; Travis Gannon [travis\_gannon@ncsu.edu]; Valaree Lund [valaree.lund@bayer.com]; Volker Bornemann [volker.bornemann@avazyme.com]; Wendy Sronic [wendy.sronic@pioneer.com]; Keigwin, Richard [Keigwin.Richard@epa.gov]; Sally.Schneider@ars.usda.gov  
**Subject:** RE: Ideas for Advanced Regulatory Science class.

Hi Keith:

I have a few former grad students that work in EFED. Also, anyone that is working in reg affairs (on the chemical side) has PMs and reviewers that they work with on a regular basis. Also, There are some RD folks that have retired and now do consulting, Kevin Sweeney comes to mind, he now works for Landis International.

As far as travel, I do not think you would really need that; it is a DE class after all. I teach a FIFRA overview lecture in EA 505 – Env Law and Policy, and I generally deliver it from my living room on my computer. It generally works just fine. (Other advantage here is that you can have a scotch while lecturing; generally frowned upon if on campus)

As to your suggestion of moving the Regulatory LoM to the advanced class; that lecture is actually a condensation of a 1 ½ day (12 hr.) course where it goes into a lot more detail and follows a made up ai from discovery to market to divestment. It does get tricky doing this kind of thing because of CBI concerns but it sounds like there is someone that has some case studies already, could possible combine those?

I like the ides of having a lecture on ag terminology and practices. Speaking as someone without an agricultural background, I think that would be helpful for a lot of the students in the class. Finally, just wanted to throw out the suggestion again that instead of doing a basic and advanced class, you could break up the class into biotech and chemical (roughly speaking) and just expand both of the classes as necessary.

Chris

**Dr. Chris Hofelt DABT**  
Product Registration Manager

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**From:** Keith Edmisten [mailto:kledmist@ncsu.edu]

**Sent:** Wednesday, May 24, 2017 10:23 PM

**To:** Allen James <ejames@bellsouth.net>

**Cc:** Ali Scott <ali.scott@bayer.com>; Bob Graney <robert.graney@bayer.com>; Charlotte Sanson <charlotte.sanson@bayer.com>; Chris Hofelt <chris.hofelt@basf.com>; Davis Katie USRE <katie.davis@syngenta.com>; Dean Bushey <dean.bushey@bayer.com>; George J Fountas <george.fountas@basf.com>; Erin Hines <hines.erin@epa.gov>; Dennis Kelly <dennis.kelly@syngenta.com>; Alan Ayers <alan.ayers@bayer.com>; Adrienne Massey <amassey@bio.org>; Clint Nesbitt <clint.nesbitt@bio.org>; david mason <dvpm@novozymes.com>; David Negrotto <David.negrotto@syngenta.com>; Janis Mcfarland <janis.mcfarland@syngenta.com>; Jason Delborne <jadelbor@ncsu.edu>; jeff stein <JStein@danforthcenter.org>; John Sedivy <jsed@novozymes.com>; Jordan Sottosanto <jordan.sottosanto@basf.com>; Lahoucine Achnine <lahoucine.achnine@basf.com>; Larry Zeph <lawrence.zeph@syngenta.com>; Randy Wegener <randy.wegener@bayer.com>; Rick Carringer <rcarringer@carringers.com>; Rick Lawless <rick\_lawless@ncsu.edu>; Rick Lawless <rjlawles@ncsu.edu>; Scott Kohne <scott.kohne@bayer.com>; Scott Shore <scott@shorebiotech.com>; Travis Gannon <travis\_gannon@ncsu.edu>; Valaree Lund <valaree.lund@bayer.com>; Volker Bornemann <volker.bornemann@avazyme.com>; Wendy Sronic <wendy.sronic@pioneer.com>; Keigwin.Richard@epa.gov; Sally.Schneider@ars.usda.gov

**Subject:** Re: Ideas for Advanced Regulatory Science class.

That would be great if anyone knows a good person to contact.

On Wed, May 24, 2017 at 10:15 PM, Allen James <ejames@bellsouth.net> wrote:

For EPA, I would invite an actual pesticide registration specialist from EPA in Washington DC. I don't know how they would handle travel expenses, but the right person could make it happen.

**From:** Keith Edmisten [mailto:kledmist@ncsu.edu]

**Sent:** Tuesday, May 23, 2017 12:13 PM

**To:** Ali Scott; Bob Graney; Charlotte Sanson; Chris Hofelt; Davis Katie USRE; Dean Bushey; George J Fountas; Erin Hines; Dennis Kelly; Allen James; Alan Ayers; Adrienne Massey; Clint Nesbitt; david mason; David Negrotto; Janis Mcfarland; Jason Delborne; jeff stein; John Sedivy; Jordan Sottosanto; Lahoucine Achnine; Larry Zeph; Randy Wegener; Rick Carringer; Rick Lawless; Rick Lawless; Scott Kohne; Scott Shore; Travis Gannon; Valaree Lund; Volker Bornemann; Wendy Sronic; Keigwin.Richard@epa.gov; Sally.Schneider@ars.usda.gov

**Subject:** Ideas for Advanced Regulatory Science class.

I am attaching the schedule we used last fall. I would like to have your ideas on what should be included in a proposed advanced regulatory class. As I have very little experience in the regulatory area, you may have covered everything you know in the course last year, but I doubt it.

Some ideas I have.

1. We need more participation from EPA, USDA-APHIS and possibly FDA in both the intro and advanced class. Who are possibilities to cover this?
2. Does anything move out of intro class to advanced. The life cycle of a molecule that Chris Hofelt covered comes to mind as something that could be moved to the advanced class and expanded.
3. For those of you who lectured, what is the "next step" for an advanced class.
4. What practical exercises can we utilize, particularly in the advanced class. Katie Davis had some case studies that the students liked.
5. Another thought I had was to move days 4-7 to the advanced class and possibly expand these topics? This would allow us to "beef" up some of the other topics or add topics to intro class, such as:

Add general agriculture and terminology (Keith Edmisten)

add lecture - intro to public policy (Jayce Sudweeks?)

move the panel to a regular class period

beef up some of the topics likes modes of action

add USDA/EPA perspective

Let me know what you think.

Keith

